

National Institutes of Health Advisory Committee to the Director

Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Working Group

OPEN SESSION AGENDA — MAY 29, 2013; 8:20–12:45 (PDT)

Dial In: 1-800-593-1361; Passcode: BRAIN

8:20 AM **Opening Remarks**
Cori Bargmann, PhD, and Bill Newsome, PhD
Co-chairs, ACD BRAIN Working Group

INVITED PRESENTATIONS — MOLECULAR APPROACHES

What is the state of the science?

8:30 AM **Genetic Access to Neurons and Circuits**

8:30 AM Nathaniel Heintz, PhD
James and Marilyn Simons Professor, Rockefeller University

8:45 AM Gerald Rubin, PhD
Vice President and Executive Director, Janelia Farm Research Campus

9:00 AM Hongkui Zeng, PhD
Senior Director, Allen Institute for Brain Science

9:15 AM Feng Zhang, PhD
Core Member, Broad Institute; Investigator, McGovern Institute for Brain Research; and Assistant Professor of Neuroscience, Massachusetts Institute of Technology

9:30 AM **Tracing Circuits**

9:30 AM Edward Callaway, PhD
Audrey Geisel Chair and Professor, Salk Institute for Biological Studies

9:45 AM Liqun Luo, PhD
Professor of Biology, Stanford University

10:00 AM Clay Reid, PhD
Senior Investigator, Allen Institute for Brain Science

10:15 AM **Break**

OPEN SESSION AGENDA — MAY 29, 2013; 8:20–12:45 (PDT)

INVITED PRESENTATIONS — MOLECULAR APPROACHES

What is the state of the science?

10:30 AM **Monitoring Circuits**

- 10:30 AM George Church, PhD
Professor of Genetics, Harvard University
- 10:45 AM Loren Looger, PhD
Group Leader, Janelia Farm Research Campus
- 11:00 AM Atsushi Miyawaki, MD, PhD
Senior Team Leader, RIKEN Brain Science Institute
- 11:15 AM Alice Ting, PhD
Ellen Swallow Richards Associate Professor of Chemistry, Massachusetts Institute of Technology

11:30 AM **Manipulating Circuits**

- 11:30 AM Karl Deisseroth, MD, PhD
DH Chen Professor of Bioengineering and of Psychiatry and Behavioral Sciences, Stanford University
- 11:45 AM Ehud Isacoff, PhD
Professor and Head of Neurobiology, University of California, Berkeley
- 12:00 PM George Whitesides, PhD
Woodford L and Ann A Flowers University Professor, Harvard University

12:15 PM **Public Comments**

12:45 PM **Concluding Remarks and Open Session Adjournment**

Cori Bargmann, PhD, and Bill Newsome, PhD
Co-chairs, ACD BRAIN Working Group